

<b>TEST REPORT</b> <b>EN 60950-1:2006</b> <b>Safety of information technology equipment</b> <b>Part 1-General requirements</b>	
Report reference No .....	RSZ08010802-3
Compiled by (+ signature) .....	Peter .....
Approved by (+ signature) .....	Safety Engineer: Jeanne Han .....
Date of issue .....	2008-02-22
Testing laboratory .....	Bay Area Compliance Laboratories Corp. (Shenzhen)
Address .....	6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong, P.R.China
Testing location .....	As above
Applicant1 .....	SLICAN SP. ZO.O
Address .....	UL.M. KONOPNICKIEJ 18 85-124 BYDGOSZCZ, POLAND
Applicant2 .....	---
Address .....	---
Standard .....	EN 60950-1:2006
Test procedure .....	LVD Scheme
Test sample(s) received.....	2008-02-19
Test in period.....	2008-02-20 To 2008-02-21
Procedure deviation .....	N.A.
Non-standard test method .....	N.A.
<p>This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Shenzhen). This report <b>must</b> not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.</p>	
Type of test object .....	Telephone
Trademark .....	SLICAN
Model/type reference .....	XL-2023ID
Manufacturer.....	Xingtel Xiamen Electronics Co., Ltd.
Rating .....	-- (No Rating Required due to direct connection to TNV - 3 wall -line)

Copy of marking plate:

Telephone  
Model : XL-2023ID  
Input : Direct connection to TNV-3 wall –line  
Serial No.:XXXXXX

SLICAN



Possible test case verdicts:

- test case does not apply to the test object.....N(.A.)
- test object does meet the requirement.....P(ass)
- test object does not meet the requirement.....F(ail)

General remarks:

”(see remark #)” refers to a remark appended to the report.

(see appended table)” refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

The test results presented in this report relate only to the object tested.

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#### **GENERAL INFORMATION:**

##### **1. Factory information:**

**Factory:** Xingtel Xiamen Electronics Co., Ltd.

**Address:** Xingtel Building, Chungxin Road, Torch Hi-tech Industrial District, Xiamen 361006, China

##### **2.Manufacturer’s name or trade-mark of identification mark:**

**Manufacturer’s name:** Xingtel Xiamen Electronics Co., Ltd.

**Trade-mark:** SLICAN

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Clause	Requirement – Test	Result - Remark	Verdict
1	General		P
1.5.	Component		P
1.5.1	General	(see appended table 1.5.1)	P
1.5.2	Evaluation and testing of components	<p>Certified components are used in accordance with their ratings, certifications and they comply with applicable parts of this Standard.</p> <p>Components not certified are used in accordance with their ratings and they comply with IEC60950 and the relevant component Standard.</p> <p>Components, for which no relevant IEC Standard exist, have been tested under the condition occurring in the equipment, using applicable parts of IEC60950.</p>	P
	Dimension (mm) of main plug for direct plug-in:	No main plug is used.	N
	Torque and pull test of main plug for direct plug-in; Torque (Nm), Pull (N):		N
1.5.3	Thermal controls	No thermal controls.	N
1.5.4	Transformers		N
1.5.5	Interconnecting cables	Interconnecting cables comply with the relevant requirements of this standard.	P
1.5.6	Capacitors in primary circuits		N
1.5.7	Double insulation or reinforced insulation bridged by components	Special Application -TNV - 3	N
1.5.7.1	General		N
1.5.7.2	Bridging capacitors	Not used.	N
1.5.7.3	Bridging resistors	Not used.	N
1.5.7.4	Accessible parts		N
1.5.8	Components in equipment for IT power distribution systems	Not investigated for connection to IT power system.	N
1.5.9	Surge suppressors		N
1.5.9.1	General		N
1.5.9.2	Protection of VDRs		N
1.5.9.3	Bridging of functional insulation by a VDR		N
1.5.9.4	Bridging of basic insulation by a VDR		N

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Clause	Requirement – Test	Result - Remark	Verdict
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR		N
1.6	POWER INTERFACE		N
1.6.1	AC power distribution systems	Special application-TNV-3.	N
1.6.2	Input current	Special Application - TNV -3. No Rating Required due to direct connection to TNV - 3 wall -line)	P
1.6.3	Voltage limit of hand-held equipment	Not exceed 250V.	P
1.6.4	Neutral conductor	No AC mains direct connection.	N
1.7	MARKINGS AND INSTRUCTIONS		P
1.7.1	Power rating	No Rating Required due to direct connection to TNV -3 wall-line.	P
	-rated voltage or rated voltage range,in vlots	No Rating Required due to direct connection to TNV -3 wall-line.	P
	-symbol for nature of supply, for d.c. only		N
	-rated frequency of rated frequency range,in hertz,unless the equipment is designed for d.c. only		N
	-rated current, in milliamperes or amperes		N
	-manufacturer's name or trade-mark of identification mark	SLICAN	P
	-manufacturer's model or type reference	XL-2023ID	P
	-symbol (60417-1-IEC-5172), for class II equipment only	Special Application -TNV -3	N
	-certification mark	CE mark	P
1.7.2	Safety instructions	User's manual in English explains safety instructions,safe operation, installation, etc.	P
	- a warning that excessive sound pressure from earphones and headphones can cause hearing loss.		N
	-for permanently connected equipment, a readily accessible disconnect device shall be incorporated in the building installation wiring	Not permanently connected equipment.	N
	-for plug able equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible		N
1.7.3	Marking of rated operating time, or rated operation time and resting time	The equipment is intended for continuous	N

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Clause	Requirement – Test	Result - Remark	Verdict
		operation.	
1.7.4	Method of voltage adjustment is fully described	No voltage setting/frequency setting.	N
1.7.5	Marking of maximum load be permitted to be connected shall be placed in the vicinity of the outlet	No standard power outlet is provided.	N
1.7.6	Fuse identification	No fuse is used	N
1.7.7	Wiring terminals	Special Application - TNV -3	N
1.7.7.1	Right marking of protective and bonding terminals		N
1.7.7.2	Terminals for a.c. mains supply conductors		N
1.7.7.3	Terminals for d.c. mains supply conductors		N
1.7.8	Controls and indicators	See below.	P
1.7.8.1	Identification, location and marking	LED is used	P
1.7.8.2	Colours	Indicators is red	P
1.7.8.3	Symbols		N
1.7.8.4	Marking using figures		N
1.7.9	Insulation of multiple sources		N
1.7.10	IT power distribution systems	Not intended for using on IT power system.	N
1.7.11	Thermostats and other regulating devices		N
1.7.12	Language	Only English	P
1.7.13	Durability	The label was rubbed with cloth soaked with water for 15s and then again for 15s with the cloth soaked with petroleum spirit. After tested the label is legible without any damage. The marking on the label did not fade. There was no curling nor lifting of the label edge.	P
1.7.14	Removable parts		N
1.7.15	Replaceable batteries		N
1.7.16	Operator access with a tool		N
1.7.17	Equipment for restricted access locations		N
2.	PROTECTION FROM HAZARDOUS		P
2.1	Protection from electric shock and energy hazards		P
2.1.1	Protection in operator access areas		P
2.1.1.1	Access to energized parts	No access to Main board of main base unit which was classified as TNV - 3	N

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Clause	Requirement – Test	Result - Remark	Verdict
		circuit.	
	Test by inspection	Inspected	P
	Test with test finger		N
	Test with test probe	Test probe can not touch TNV circuit.	P
	Test with test pin		N
2.1.1.2	Battery compartments		N
2.1.1.3	Access to ELV wiring	No internal wiring at ELV.	N
	Working voltage (V); distance (mm) through insulation		N
2.1.1.4	Access to hazardous voltage circuit wiring		N
2.1.1.5	Energy hazards		N
2.1.1.6	Manual controls		N
2.1.1.7	Discharge of capacitors in equipment		N
	Time constant (s); measured voltage (V)		---
2.1.2	Protection in service access areas	No bare parts operating at HAZARDOUS VOLTAGE in a service access area. Special Application - TNV -3.	N
2.1.3	Protection in restricted access location		N
2.2	SELV CIRCUITS		P
2.2.1	General requirements		P
2.2.2	Voltages under normal conditions	Not exceed SELV limits .	P
2.2.3	Voltages under fault conditions	Not exceed SELV limits .	P
2.2.3.1	Separation by double insulation or reinforced insulation(method 1)		N
2.2.3.2	Separation by earthed screen( method 2)		N
2.2.3.3	Protection by earthing of the SELV circuits to other circuit		N
2.2.4	Connection of SELV circuits to other circuits		N
2.3	TNV CIRCUITS		P
2.3.1	Limits	Complies by inspection based on review of circuit voltages.	P
	Type of TNV circuits	TNV-3 circuit	---
2.3.2	Separation from other circuits and from accessible parts		N

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Clause	Requirement – Test	Result - Remark	Verdict
	Insulation employed		---
2.3.3	Separation from hazardous voltage		N
	Insulation employed		N
2.3.4	Connection of TNV circuits to other circuits		N
	Insulation employed		N
2.3.5	Test for operating voltages generated externally		N
2.4	Limited current circuits		N
2.4.1	General requirements		N
2.4.2	Limit values		N
	Frequency (Hz)		---
	Measured current (mA)		---
	Measured voltage (V)		---
	Measured capacitance (μF)		---
2.4.3	Connection of limited current circuits to other circuits		N
2.5	Limited power source		N
	Inherently limited output		N
	Impedance limited output		N
	Overcurrent protective device limited output		N
	Regulating network limited output under normal operating and single fault condition		N
	Regulating network limited output under normal operating condition and overcurrent protective device limited output under single fault condition		N
	Output voltage (V); output current (A); apparent power (VA)		---
	Current rating of overcurrent protective device (A)		---
2.6	PROVISIONS FOR EARTHING AND BONDING		N
2.6.1	Protective earthing		N
2.6.2	Functional earthing		N
2.6.3	Protective earthing and protective bonding conductors		N
2.6.3.1	General requirements		N
2.6.3.2	Size of protective earthing conductors		N
	Rated current (A); cross sectional area (mm <sup>2</sup> ), AWG		---
2.6.3.3	Size of protective bonding conductors		N
	Rated current (A); cross sectional area (mm <sup>2</sup> ), AWG		---

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Clause	Requirement – Test	Result - Remark	Verdict
2.6.3.4	Rated current (A); type and nominal thread diameter (mm);		N
	Resistance (Ohm) of earthing conductor and their terminations; test current (A)		N
2.6.3.5	Colour of insulation		N
2.6.4	Terminals		N
2.6.4.1	General		N
2.6.4.2	Protective earthing and bonding terminals		N
	Rated current (A); type and nominal thread diameter (mm);		---
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		N
2.6.5	Integrity of protective earthing		N
2.6.5.1	Interconnection of equipment		N
2.6.5.2	Components in protective earthing and protective bonding conductors		N
2.6.5.3	Disconnection of protective earth		N
2.6.5.4	Parts that can be removed by an operator		N
2.6.5.5	Parts removed during servicing		N
2.6.5.6	Corrosion resistance		N
2.6.5.7	Screws for protective bonding		N
2.6.5.8	Reliance on telecommunication network or cable distribution system		N
2.7	OVERCURRENT AND EARTH FAULT PROTECTION IN PRIMARY CIRCUITS		N
2.7.1	Basic requirements		N
	Instructions when protection relies on building installation		N
2.7.2	Faults not covered in 5.3		N
2.7.3	Short-circuit backup protection		N
2.7.4	Number and location of protective devices		N
2.7.5	Protection by several devices		N
2.7.6	Warning to service persons		N
2.8	SAFETY INTERLOCKS		N
2.8.1	General principles		N
2.8.2	Protection requirements		N
2.8.3	Inadvertent reactivation		N
2.8.4	Fall-safe operation		N



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Clause	Requirement – Test	Result - Remark	Verdict
2.8.5	Moving parts		N
2.8.6	Overriding		N
2.8.7	Switches and relays		N
2.8.7.1	Contact gaps		N
2.8.7.2	Overload test		N
2.8.7.3	Endurance test		N
2.8.7.4	Electric strength test		N
2.8.8	Mechanical actuators		N
2.9	Electrical insulation		P
2.9.1	Properties of insulation materials	Neither natural rubber, materials containing asbestos nor hygroscopic materials are used as insulation. No driving belts or couplings used.	P
2.9.2	Humidity conditioning	Temperature: 30°C, Humidity: 91% .48H	P
2.9.3	Requirements of insulation	Function Insulation for TNV Circuit and Basic Insulation between TNV to accessible part (enclosure)	P
2.10	Clearances, creepage distances and distances through insulation		P
2.10.1	General	Pollution degree 2 applicable. Special Application - TNV -3. All circuits served as TNV - 3, no accessible part for the TNV - 3 circuits on enclosure.	P
2.10.2	Determination of working voltage		N
2.10.3	Clearance	Special Application - TNV -3. All circuits served as TNV - 3. No Rating Required due to direct connection to TNV -3 wall-line.	P
2.10.3.1	General		N
2.10.3.2	Clearance in primary circuits	Special Application - TNV -3. All circuits served as TNV - 3.	N
2.10.3.3	Clearances in secondary circuits		N
2.10.3.4	Measurement of transient voltage levels		N

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Clause	Requirement – Test	Result - Remark	Verdict
2.10.4	Creepage distance	Special Application - TNV -3. All circuits served as TNV - 3. 2.07mm min from TNV - 3 Ring to Enclosure bonding surface.	P
	CTI tests		---
2.10.5	Solid insulation		N
2.10.5.1	Minmum distance through insulation		N
2.10.5.2	Thin sheet material		N
	Number of layers (pcs)		---
	Electric strength test		---
2.10.5.3	Printed boards	PWB is not used as reinforced or supplementry insulation	N
	Distance through insulation		N
	Electric strength test for thin sheet insulation material		---
	Number of layers (pcs).....		N
2.10.5.4	Wound components		N
	Number of layers		N
	Two wires in contact in side component; angle between 45° and 90°		N
2.10.6	Coated printed boards		N
2.10.6.1	General		N
2.10.6.2	Sample preparation and preliminary inspection		N
2.10.6.3	Thermal cycling		N
2.10.6.4	Thermal ageing		N
2.10.6.5	Electric strength test		N
2.10.6.6	Abrasion resistance test		N
	Electric strength test		---
2.10.7	Enclosed and sealed parts		N
	Temperature $T_1=T_2+T_{ma}-T_{amb}+10K$		N
2.10.8	Spacings filled by insulating compound		N
	Electric strength		N
2.10.9	Comonent external terminations		N
2.10.10	Insultion with warying dimensions		N
<b>3</b>	<b>WIRING, CONNECTIONS AND SUPPLY</b>		<b>P</b>
3.1	General		P

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Clause	Requirement – Test	Result - Remark	Verdict
3.1.1	Current rating and overcurrent protection	All wires/conductors possess adequate cross-sectional areas for their intended application and all internal wirings are adequately insulated.	P
3.1.2	Protection against mechanical damage	Smooth wireway and free from edges.	P
3.1.3	Securing of internal wiring		P
3.1.4	Insulation of conductors	The wire are positioned in such a manner that prevents excessive strain, loosening of terminal connections and damage of conductor insulation.	P
3.1.5	Beads and ceramic insulators	Equipment does not have any beads or similar insulators.	N
3.1.6	Screws for electrical contact pressure	No screws for electric contact.	N
3.1.7	Insulation materials in electrical connections		N
3.1.8	Self-tapping and spaced thread screws		N
3.1.9	Termination of conductors		N
3.1.10	Sleeving on wiring	No sleeving on wiring.	N
3.2	Connection to an a.c. mains supply or a d.c. mains supply		N
3.2.1	Means of connection		N
3.2.1.1	Connection to an a.c. mains supply	As above.	N
3.2.1.2	Connection to a d.c. mains supply		N
3.2.2	Multiple supply connections	No multiple supply connections used.	N
3.2.3	Permanently connected equipment		N
	Number of conductors, diameter (mm) of cable and conduits		---
3.2.4	Appliance inlets		N
3.2.5	Power supply cords		N
	Type		---
	Rated current (A); cross-sectional area (mm <sup>2</sup> ), AWG		---
3.2.6	Cord anchorages and strain relief		N
	Mass of the equipment (kg); pull (N)		---
	Longitudinal displacement (mm)		---
3.2.7	Protection against mechanical damage		N
3.2.8	Cord guards		N

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Clause	Requirement – Test	Result - Remark	Verdict
	D (mm); test mass (g)		---
	Radius of curvature of cord (mm)		---
3.2.9	Supply wiring space		N
3.3	Wiring terminals for connection of external conductors		N
3.3.1	Wiring terminals		N
3.3.2	Connection of non-detachable power supply cords		N
3.3.3	Screw terminals		N
3.3.4	Rated current (A), cord/cable type, cross-sectional area (mm <sup>2</sup> )		N
3.3.5	Rated current (A), type and nominal thread diameter (mm)		N
3.3.6	Wiring terminal design		N
3.3.7	Grouping of wiring terminals		N
3.3.8	Stranded wire		N
3.4	Disconnection from the mains supply		N
3.4.1	General requirement		N
3.4.2	Disconnect devices		N
3.4.3	Permanently connected equipment	Not permanently connected equipment.	N
3.4.4	Parts which remain energized		N
3.4.5	Switches in flexible cords		N
3.4.6	Single-phase and d.c. equipment		N
3.4.7	Three-phase equipment		N
3.4.8	Switches as disconnect devices		N
3.4.9	Plugs as disconnect devices		N
3.4.10	Interconnected equipment		N
3.4.11	Multiple power sources	No power sources	N
3.5	Interconnection of equipment		P
3.5.1	General requirements		P
3.5.2	Types of interconnection circuits	TNV - 3 telephone cord.	P
3.5.3	ELV circuits as interconnection circuits	No ELV interconnection.	N
4	PHYSICAL REQUIREMENTS		P
4.1	Stability		P

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Clause	Requirement – Test	Result - Remark	Verdict

	Angle of 10°	Not conducted	N
	Test: force (N).....	As above.	N

4.2	Mechanical strength		P
4.2.1	General	Base Unit subjected to this test since they contain TNV circuitry. The Handset was not subjected to testing, since they do not contain hazardous internal parts.	P
4.2.2	Steady force test, 10N		N
4.2.3	Steady force test, 30N	No internal enclosure.	N
4.2.4	Steady force test, 250N	Applied for top, side, bottom. No hazard	P
4.2.5	Impact test	Test conducted on Base unit and Handset.	P
4.2.6	Drop test	No hazards as a result of this test.	P
4.2.7	Stress relief test	70°C 7h. No damaged.	P
4.2.8	Cathode ray tubes	No cathode ray tubes.	N
	Picture tube separately certified		N
4.2.9	High pressure lamps		N
4.2.10	Wall or ceiling mounted equipment; force (N)		N

4.3.	Design and construction		P
4.3.1	Edges and corners	All edges and corners are rounded or smoothed.	P
4.3.2	Handles and manual controls; force (N)		N
4.3.3	Adjustable controls	Equipment does not have any controls.	N
4.3.4	Securing of parts	No Loosening parts impairing creepage and clearance distance over functional insulation is likely occur.	N
4.3.5	Connection of plugs and sockets		N
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	N

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Clause	Requirement – Test	Result - Remark	Verdict
	Torque; (Nm)		--
4.3.7	Heating elements in earthed equipment		N
4.3.8	Batteries		N
4.3.9	Oil and grease	The insulation of the internal wiring is not exposed to oil, grease, etc.	N
4.3.10	Dust, pwders, liquids and gases		N
4.3.11	Containers for liquids or gases		N
4.3.12	Flammable liquids		N
	Quantity of liquid (l)		---
	Flash point (°C)		---
4.3.13	Radiation, type of radiation		N
	Equipment using lasers		N
4.4	Protection agains hazardous moving parts		N
4.4.1	General	No harzard moving parts.	N
4.4.2	Protection in operator access areas		N
4.4.3	Protection in restricted access locations		N
4.4.4	Protection in service access areas		N
4.5	Thermal requirements		P
4.5.1	Temperatures rises	(See appended table 4.5)	P
	Normal load condition per Annex L		P
4.5.2	Resistance to abnormal heat	No such material used.	N
4.6	Openings in enclosures		P
4.6.1	Top and side openings	No openings on the top and side	N
	Dimension		N
4.6.2	Bottoms of fire enclosures	No fire enclosure required	N
	Construction of the bottom		---
4.6.3	Doors of covers in fire enclosures		N
4.6.4	Openings in transportable equipment		N
4.6.5	Adhesives for constructional purposes		N
	Conditioning of temperature/time		N
4.7	Resistance to fire		P

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Clause	Requirement – Test	Result - Remark	Verdict
4.7.1	Reducing the risk of ignition and spread of flame	Selection and application of components and materials which minimize the possibility of ignition and spread of flame.	P
4.7.2	Conditions for a fire enclosure	The enclosure material is HB material.	P
4.7.2.1	Parts requiring a fire enclosure		N
4.7.2.2	Parts not requiring a fire enclosure	The enclosure material is HB material.	P
4.7.3	Materials		P
4.7.3.1	General		P
4.7.3.2	Materials for fire enclosures		N
4.7.3.3	Materials for components and other parts outside fire enclosures		N
4.7.3.4	Materials for components and other parts inside fire enclosures	All internal materials are rated HB Min and mount on V-1 PCB.	P
4.7.3.5	Materials for air filter assemblies		N
4.7.3.6	Materials used in high-voltage components		N
5	<b>ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS</b>		P
5.1	Touch current and protective conductor current		P
5.1.1	General		P
5.1.2	Equipment under test	Special Application - TNV -3. All circuits served as TNV - 3. No power supply is provided	N
5.1.3	Test circuit		N
5.1.4	Application of measuring instrument		N
5.1.5	Test procedure		N
5.1.6	Test measurements		N
	Test voltage		---
	Measured current(mA)		---
	Max. Allowed current (mA)		---
5.1.7	Equipment with touch current exceeding 3.5mA		N
5.1.8	Touch currents to telecommunication networks and cabl distribution systems and from telecommunication networks	Special Application - TNV -3. All circuits served as TNV - 3. No power supply provided.	N
5.1.8.1	Limitation of the touch currents to telecommunication networks and cabl distribution systems and from		N

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Clause	Requirement – Test	Result - Remark	Verdict
	telecommunication networks		
	Test voltage		---
	Measured current(mA)		---
	Max. Allowed current (mA)		---
5.1.8.2	Summation of touch currents from telecommunication network		N
5.2	Electric strength		P
5.2.1	General	(See Appended table 5.2).	P
5.2.2	Test procedure		N
5.3	Abnormal operating and fault conditions		P
5.3.1	Protection against overload and abnormal operation		P
5.3.2	Motors		N
5.3.3	Transformers		N
5.3.4	Functional insulation	Functional insulation complies with the requirements (a), (b),or (c).	P
5.3.5	Electromechanical components		N
5.3.6	Simulation of faults		P
5.3.7	Unattended equipment		N
5.3.8	Compliance criteria for abnormal operating and fault conditions	No fire, emission of molten metal or deformation was noted during the tests.	P
<b>6</b>	<b>CONNECTION TO TELECOMMUNICATION NETWORKS</b>		P
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network,from hazards in the equipment		P
6.1.1	Protection from hazardous voltages		P
6.1.2	Separation of the telecommunicatio network from earth		---
6.1.2.1	Requirements		P
	Test voltage (V)	1500Vac	---
	Current in test circuit (mA)		---
6.1.2.2	Exclusions		N
6.2	Protection of equipment users from over voltages on telecommunication networks		P
6.2.1	Separation requirements	Basic insulation from SELV circuit	P



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Clause	Requirement – Test	Result - Remark	Verdict
6.2.2	Electric strength test procedure		P
6.2.2.1	Impulse test		N
6.2.2.2	Steady-state test	1000Vac	P
6.2.2.3	Compliance criteria		P
6.3	Protection of the telecommunication wiring system from overheating		N
	Max. output current (A)		---
	Current limiting method		---
<b>7</b>	<b>CONNECTION TO CABLE DISTRIBUTION SYSTEMS</b>		N
7.1	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltage in the equipment		N
7.2	Portection of equipment users from overvoltage on the cable distribution system		N
7.3	Insulation between primary circuits and cable distribution systems		N
7.3.1	General		N
7.3.2	Voltage surge test		
	Surge test voltage (V)/test time (s)		---
	Electric test voltage (V)		---
7.3.3	Imulse test		N
	Test voltage (V)/time (s)		---
	Electric test voltage (V)		---
<b>A</b>	<b>ANNEX A, TEST FOR RESITANCE TO HEAT AND FIRE</b>		N
A.1	Flammability test for fire enclosures of movable equipment havin a total mass exceed		N
A.1.1	Samples, materials		---
	Wall thickness		---
A.1.2	Conditioning of samples		N
A.1.3	Mounting of samples		N
A.1.4	Test flame		N
A.1.5	Test procedure		N
A.1.6	Comliance criteria		N
	Sample 1 burning times		---

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Clause	Requirement – Test	Result - Remark	Verdict
	Sample 2 burning times		---
	Sample 3 burning times		---
A.2	Flammability test for fire enclosures of movable equipment having a total mass not exceeding 18kg, and for material and components located inside fire enclosure (see 4.7.3.2 and 4.7.3.4)		N
A.2.1	Samples, materials		N
	Wall thickness		N
A.2.2	Conditioning of samples		N
A.2.3	Mounting of samples		N
A.2.4	Test flame		N
A.2.5	Test procedure		N
A.2.6	Compliance criteria		N
	Sample 1 burning times		---
	Sample 2 burning times		---
	Sample 3 burning times		---
A.2.7	Alternative test acc. to IEC60695-2-2 cl. 4 and 8		N
	Sample 1 burning times		---
	Sample 2 burning times		---
	Sample 3 burning times		---
A.3	Hot flaming oil test(see 4.6.2)		N
B	annex b motor tests under abnormal conditions		N
B.1	General requirements		N
	Position		---
	Manufacturer		---
	Type		---
	Rated values		---
B.2	Test conditions		N
B.3	Maximum temperatures		N
B.4	Running overload test		N
B.5	Locked-rotor overload test		N
	Test duration (days)		---
	Electric strength test: test voltage (V)		---

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Clause	Requirement – Test	Result - Remark	Verdict
B.6	Running overload test for d.c.motors in secondary circuits		N
B.7	Locked-rotor overload test for d.c. motors in secondary circuits		N
B.7.1	Test procedure		N
B.7.2	Alternative test procedure, test time (h)		N
B.7.3	Electric strength test		N
B.8	Test for motors with capacitors		N
B.9	Test for three-phase motors		N
B.10	Test for series motors		N
	Opening voltage (V)		N
C	annex c transformer		N
	Position		N
	Manufacturer		N
	Type		N
	Rated values		N
	Method of protection		N
C.1	Overload test		N
C.2	Insulation		N
	Protection from displacement of windings		N
G	<b>ANNEX G. ANTENATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES</b>		N
G.1	Summary of the procedure for determining minimum clearances		N
G.2	Determination of mains transient voltage (V).....		N
G.3	Determination of telecommunication network transient voltage(V).....		N
G.4	Determination of required withstand voltage(V).....		N
G.5	Measurement of transient voltage levels (V).....		N
G.6	Determination of minimum clearances.....		N
H	<b>ANNEX H. IONIZING RADIATION (see 4.3.13)</b>		N
	Ionizing radiation		N
	Measured radiation (mR/h)		---
	Measured high-voltage (kV)		---
	Measured focus voltage (kV)		---

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Clause	Requirement – Test	Result - Remark	Verdict
	CRT markings		---

J	<b>ANNEX J. TABLE OF ELECTROCHEMICAL POTENTIALS (see 2.6.5.6)</b>		N
	Metal used.....		---
K	<b>ANNEX K. THERMAL CONTROLS (see 1.5.3 and 5.3.7)</b>		N
K.1	Making and breaking capacity		N
K.2	Thermostat reliability; operating voltage (V).....		N
K.3	Thermostat endurance test; operating voltage (V)..		N
K.4	Temperature limiter endurance; operating voltage (V).....		N
K.5	Thermal cut-out reliability		N
K.6	Stability of operation		N
M	<b>ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS</b>		N
M.1	Instruction		N
M.2	Method A		N
M.3	Method B		N
M.3.1	Ringing signal		N
M.3.1.1	Frequency (Hz).....		---
M.3.1.2	Voltage (V).....		---
M.3.1.3	Cadence; time (s); voltage (V).....		---
M.3.1.4	Single fault current (A).....		---
M.3.2	Tripping device and monitoring voltage.....		N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N
M.3.2.2	Tripping device		N
M.3.2.3	Monitoring voltage.....		N
U	<b>ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION</b>		N
	Separate test report		N

1.5.1	Table: list of critical component			P
Object /Part No	Manufacturer/ Trade Mark	Type/ Model	Technical data	File No./Licence No.
Enclosure of main base and handset	Various	Various	HB, 60°C	UL
PCB For Main board	Various	Various	94V-1,105°C	UL
PCB For Main Keyboard				

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Clause	Requirement – Test	Result - Remark	Verdict

Internal Wiring	Various				Various	VW-1,80℃	UL
Phone Jack	Various				Various	RJ11	UL
Telephone cord	Various				Various	26AWG	UL
1.6.2	Table: Electrical data (in normal conditions)						N
Fuse#	I rated (mA)	U (V)	P (W)	I (mA)	I (fuse mA)	Condition /status	
Supplementary information:							

2.10.3 and 2.10.4	Table: clearances and creepage distance measurements					N
Clearances cl and creepage distance dcr at/of	Up (V)	Ur.m.s (V)	required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)
Supplementary information:						
2.10.5	Table: distance through insulation measurements					N
Distances through insulation di at/of	U r.m.s (V)	test voltage (V)	required di(mm)	di (mm)		
Supplementary information:						

4.3.8	Table: Rechargeable battery			N
Battery Position.		Rated Max Charging Current(mA)	Test Charging Current(mA)	Result
Supple mentary information:				

4.5.1	Table: temperature rise measurements		P
	Test voltage(V).....	Connect to TNV3 circuit Ring operating condition	---
	t1(°C).....	24.0	---
	t2(°C).....	23.8	---
Temperature of part/at:		T(°C) Condition A	Required (Tmax+Tamb-Tma) °C
Input Body		25.6	85
Internal Wire		24.8	80

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Clause	Requirement – Test	Result - Remark	Verdict
C19		27.3	105
L5		27.1	130
PCB for main board		27.7	105
Enclosure		24.9	80
Keyboard		24.1	80
Ambient		23.8	---
Supplementary information: Tma is 25°C in default manual. A: normal condition			

4.5.2	Table: ball pressure test of thermoplastic		N
	Allowed impression diameter (mm):.....		
part	Test temperature	d impression diameter (mm)	
Supplementary information:			

5.2	Table: electric strength tests and impulse tests		P
test voltage applied between	test voltage (V)	breakdown (Yes/No)	
TNV-3 port to enclosure with foil	AC 1500V	No	
TNV-3 port to handset with foil	AC 1500V	No	
Supplementary information:			

5.3	Table: fault condition test						N
ambient temperature (°C).....:							---
model/type of power supply.....:							---
manufacturer of power supply.....:							---
rated markings of power supply.....:							---
Component no.	Fault	Test voltage	Test time	Fuse no.	Input current (mA)	Result	
Supplementary information: NHT: No High Temperature; NCD: No Component Damage; NFG no flammability gas.							

A. 6.5	Table: flammability test for classifying material V-0,V-1or V-2	N
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Clause	Requirement – Test	Result - Remark	Verdict

sample No./ref.	afterflame time (s) $t_1$ or $t_2$	Afterflame +afterglow (s) after 2nd flame application $t_2+t_3$
Supplementary information:		

A.6.6	Table: flammability re-test for classifying material V-0,V-1or V-2	N
sample No./ref.	afterflame time (s) $t_1$ or $t_2$	Afterflame +afterglow (s) after 2nd flame application $t_2+t_3$
Supplementary information:		

A.7.4 A.7.5 A.7.6 and A.7.7	Table: flammability test for classifying foam material HF-0,HF1or HBF			N
sample No./ref.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment
Supplementary information:				

A.7.8	Table: flammability re-test for classifying foam material HF-0,HF-1				N
sample No.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment	
Supplementary information:					

A.7.9	Table: flammability re-test for classifying foam material HBF				N
sample No.	flame time (s)	glow time (s)	flaming /glowing distance from the end (mm)	comment	
Supplementary information:					

A. 8.5	Table: flammability test for classifying materials HB	N
sample No..	flaming/glowing rate mm/min	flaming/glowing distance from reference mark (mm)
Supplementary information:		

A.9.6	Table: flammability test for classifying material 5V	N
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Clause	Requirement – Test			Result - Remark	Verdict
sample	test bars		test plaques		
No.	flaming+glowing time (s)	burning distance (mm)	position	flaming +glowing time (s)	burning distance (mm)
Supplementary information:					

COPY



## Appendix A - EUT Photos

### A.1 EUT photo-Front View 1 of unit



### A.2 EUT photo- Front View 2 of unit



**A.3 EUT photo-Rear View 1 of unit**



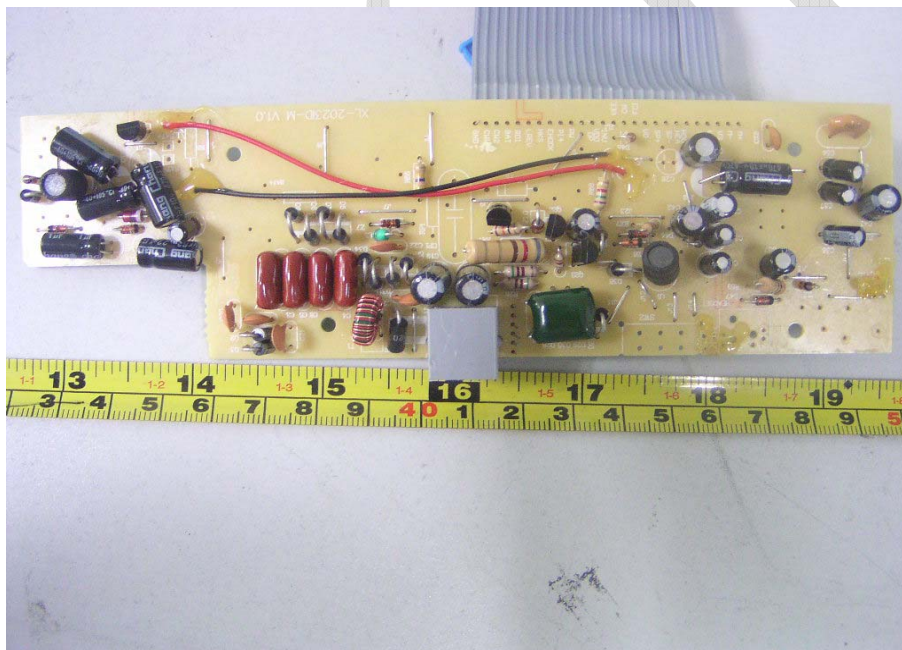
**A.4 EUT photo- Rear View 2 of unit**



**A.5 EUT photo-Inside View of unit**

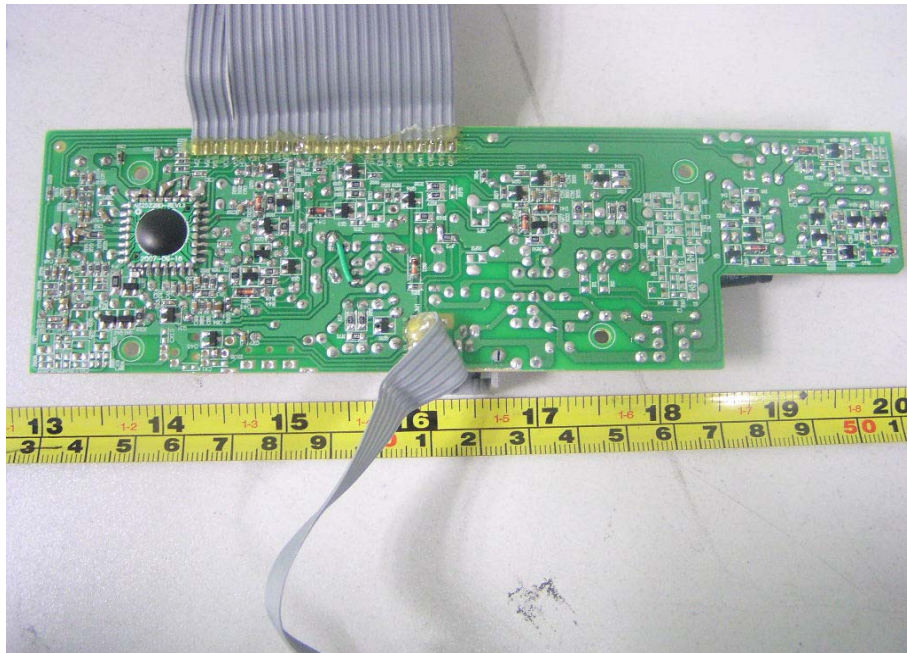


**A.6 EUT photo- Top View of main PCB**

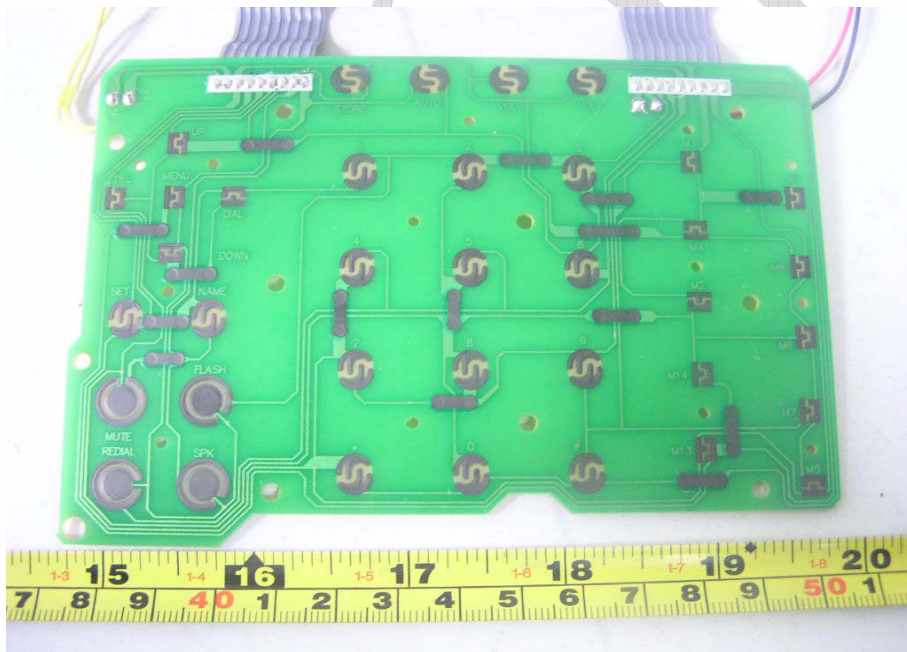




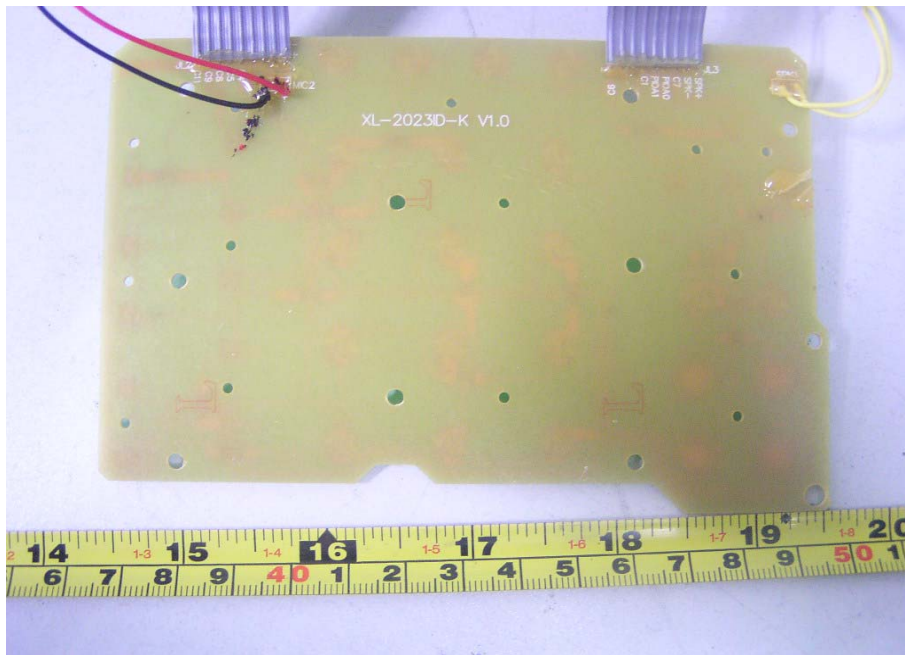
**A.7 EUT photo-Rear View of main PCB**



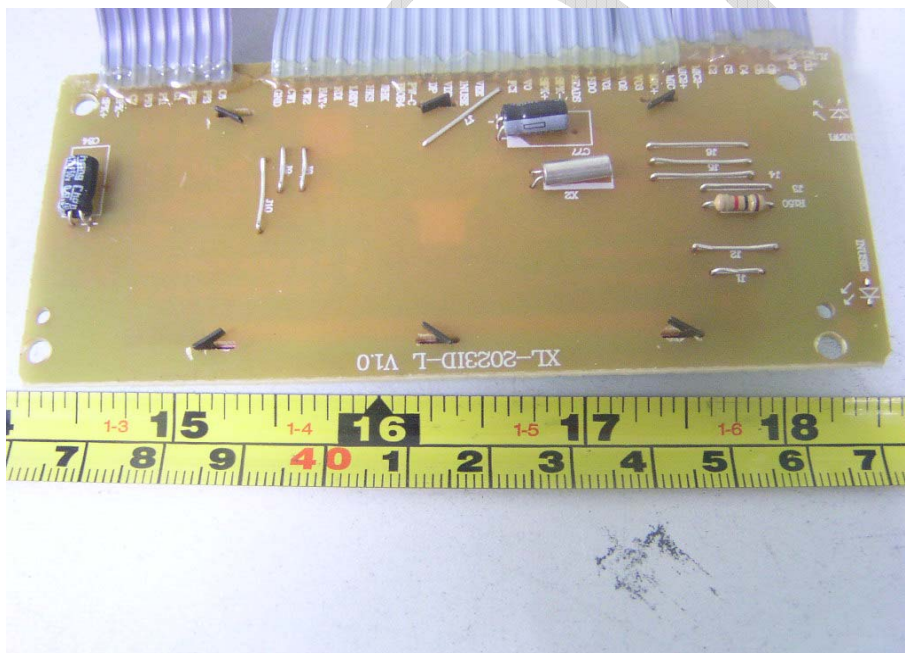
**A.8 EUT photo-Top View of keyboard PCB**



**A.9 EUT photo-Rear View of keyboard PCB**



**A.10 EUT photo-Top View of screen PCB**



**A.11 EUT photo-Top View of screen PCB**



**APPENDIX B – USER’S MANUAL**



**Appendix C–EUT CIRCUIT SCHEMATICS DIAGRAM and  
PCB LAYOUT DIAGRAM**



**APPENDIX D-TEST EQUIPMENTS LIST**